

**Flood Control Project Maintenance
Levee Inspections**

Fall 2014 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD0017	Overall LMA Rating	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.					
Reclamation District No. 0017 Mossdale	M *	16.03						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.03		0.03	0.19%	0.03	0.02		
Trim / Thin Trees	0.02		0.02	0.13%				
Encroachments						0.04		
<i>Supplemental</i>								
DWR Erosion Survey	0.06	0.01	0.10	0.62%				
DWR UCIP Field Study					0.56	0.15		
<i>LMA Totals:</i>	0.11	0.01	0.15	0.94% *	0.59	0.21	0.00	0.00
Unit No. 01 French Camp Slough LB	Overall Unit Rating	Total Unit Miles						
RD0017	A	1.76						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Supplemental</i>								
DWR UCIP Field Study					0.04			
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.04	0.00	0.00	0.00
Unit No. 02 San Joaquin River RB	Overall Unit Rating	Total Unit Miles	* Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A.					
RD0017	M *	14.27						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.03		0.03	0.21%	0.03	0.02		
Trim / Thin Trees	0.02		0.02	0.14%				
Encroachments						0.04		
<i>Supplemental</i>								
DWR Erosion Survey	0.06	0.01	0.10	0.70%				
DWR UCIP Field Study					0.52	0.15		
<i>Unit Totals:</i>	0.11	0.01	0.15	1.05% *	0.55	0.21	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2014 Levee Inspection Results

Reclamation District No. 0017 Mossdale

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			M	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Reclamation District No. 0017 Mossdale

Waterway			Bank	Unit Miles
Unit No. 01 French Camp Slough			Left	1.76
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/01/2014 - 04/01/2014		10/14/2014 - 10/14/2014	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By	Robert Winter KSN		Robert Winter KSN	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	10/14/2014 10/14/2014	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	1		
LM End	0.00	Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Operations & Maintenance Manuals				°		°
					°		°
DWR ID	DWR_RD0017_01_s_2013_1						
Action/Comments							
Inspector Comments: LMA has a copy of the manual on file.							

No Photos

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
					°
DWR ID	DWR_RD0017_01_s_2013_2				
Action/Comments					
Inspector Comments: LMA has adequate flood fight supplies.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3	
LM End	0.00	Issue Type +	Ma	Location *	N/A	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Flood Preparedness & Training				°	°
					°	°
DWR ID	DWR_RD0017_01_s_2013_3					
Action/Comments						
Inspector Comments: District staff will be involve in the Twitchell Island training on Oct. 22-23, 2014.						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	10/14/2014 10/14/2014	Richard Willoughby

LM Start	0.02	Rating **	M	Issue No.	4
LM End	0.02	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.911561 °	37.911561 °
				-121.291441 °	-121.291441 °
DWR ID	DWR_RD0017_01_f_2014_4				
Action/Comments					
Inspector Comments: FS_ID:40603 EP_NO: 6623 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Marker missing on landward side. Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. FIELD_STRUCT_DESC: 5-inch diameter welded steel natural gas pipeline through the levees, 4.5 feet below the crown, across the channels and overflow area. (Permit No. 6623-1969) FS Date: 2/3/2010					

No Photos

LM Start	0.03	Rating **	A	Issue No.	12
LM End	0.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.911629 °	37.911629 °
				-121.291585 °	-121.291585 °
DWR ID	DWR_RD0017_01_s_2014_12				
Action/Comments					
Tree or limb					

Photo 1 of 4 : FA_2014_RD0017_303_12_20141023_00004.jpg



Looking north at corrected site.

LM Start	0.03	Rating **	A	Issue No.	12 (cont)
LM End	0.03	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : FA_2014_RD0017_303_12_20141010_00001.jpg



Looking north at tree limbs across levee crown and slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	10/14/2014 10/14/2014	Richard Willoughby

LM Start	0.03	Rating **	A	Issue No.	12 (cont)	
LM End	0.03	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.911629 °		37.911629 °
				-121.291585 °		-121.291585 °
DWR ID	DWR_RD0017_01_s_2014_12					
Action/Comments						
Tree or limb						

Photo 3 of 4 : FA_2014_RD0017_303_12_20141023_00003.jpg



Looking east at corrected site.

LM Start	0.03	Rating **	A	Issue No.	12 (cont)
LM End	0.03	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : FA_2014_RD0017_303_12_20141010_00002.jpg



Looking northeast at down tree on waterward slope.

LM Start	0.71	Rating **	C	Issue No.	8
LM End	0.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.914795 °	37.914795 °
				-121.301662 °	-121.301662 °
DWR ID	DWR_RD0017_01_s_2013_8				
Action/Comments					
Prunings					
Inspector Comments: Prunings on waterward shoulder.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	10/14/2014 10/14/2014	Richard Willoughby

LM Start	0.89	Rating **	A/W	Issue No.	6
LM End	0.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.915087 °	37.915295 °
				-121.304833 °	-121.306385 °
DWR ID	DWR_RD0017_01_s_2013_6				
Action/Comments					
Environmental Requirements.					

No Photos

LM Start	1.30	Rating **	M	Issue No.	5
LM End	1.30	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.915928 °	37.915928 °
				-121.312471 °	-121.312471 °
DWR ID	DWR_RD0017_01_f_2014_5				
Action/Comments					
Inspector Comments: FS_ID:40604					
EP_NO: 14992					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to contact owner to determine status of crossing. Also need date of last inspection.					
FIELD_STRUCT_DESC: 1 of 3. 30-inch diameter HDPE sewer force main (SFM). All pipes encased in concrete at approximately 32 feet below levee crown. (Permit No. 14992-1989)					
FS Date: 2/3/2010					

No Photos

LM Start	1.30	Rating **	M	Issue No.	7
LM End	1.30	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.915928 °	37.915928 °
				-121.312471 °	-121.312471 °
DWR ID	DWR_RD0017_01_f_2014_7				
Action/Comments					
Inspector Comments: FS_ID:40605					
EP_NO: 14992					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to contact owner to determine status of crossing. Also need date of last inspection.					
FIELD_STRUCT_DESC: 2 of 3. A 30-inch diameter HDPE sewer force main (SFM). All pipes encased in concrete at approximately 32 feet below levee crown. (Permit No. 14992-1989)					
FS Date: 2/3/2010					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	10/14/2014 10/14/2014	Richard Willoughby

LM Start	1.30	Rating **	M	Issue No.	9
LM End	1.30	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.915928 °	37.915928 °
				-121.312471 °	-121.312471 °
DWR ID	DWR_RD0017_01_f_2014_9				
Action/Comments					
Inspector Comments: FS_ID:40606 EP_NO: 14992 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Also need date of last inspection. FIELD_STRUCT_DESC: 3 of 3. A 12-inch diameter HDPE sewer force main (SFM). All pipes encased in concrete at approximately 32 feet below levee crown. (Permit No. 14992-1989) FS Date: 2/3/2010					

No Photos

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Reclamation District No. 0017 Mossdale

Waterway			Bank	Unit Miles
Unit No. 02 San Joaquin River			Right	14.27
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	04/01/2014 - 04/01/2014		10/14/2014 - 10/14/2014	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By	Robert Winter KSN		Robert Winter KSN	

Summer & Winter Inspections

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	0.07	Rating **	C	Issue No.	7
LM End	0.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.915161 °	37.915161 °
				-121.321595 °	-121.321595 °
DWR ID	DWR_RD0017_02_s_2012_7				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	0.14	Rating **	M	Issue No.	10
LM End	0.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.914335 °	37.914335 °
				-121.322387 °	-121.322387 °
DWR ID	DWR_RD0017_02_f_2014_10				
Action/Comments					
Inspector Comments: FS_ID:40628 EP_NO: 15093 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Only appurtenances remaining at this location--4 pillings located on waterward side. According to records the pillings were to be removed under a completion maintenace contract. Need to coordinate with owner. FIELD_STRUCT_DESC: 14-inch-diameter pipeline through levee at unknown depth. Per inspector's notes "this crossing is abandoned almost all materials removed including pipes, conduit, and pumphouse. The only items left are 4 pilings which are to be removed under a completion maintenance contract. Approximately 200 feet of reinforced concrete pipe lateral removed in R/W south of crossing". FS Date: 2/3/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	0.46	Rating **	C	Issue No.	8
LM End	0.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.910190 °	37.910190 °
				-121.324424 °	-121.324424 °
DWR ID	DWR_RD0017_02_s_2012_8				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	0.77	Rating **	U	Issue No.	20
LM End	0.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.906163 °	37.906163 °
				-121.323122 °	-121.323122 °
DWR ID	DWR_RD0017_02_f_2014_20				
Action/Comments					
Inspector Comments: FS_ID:40629 EP_NO: 15095 Repair Type: Urgent Crossing Status: Found UCIP Comments: Damage to levee waterward slope and pipe. Sink holes and scour hole present on waterward side. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 12-inch diameter discharge pipeline through the levee. Invert of pipe is 6.24 feet below crown. Siphon breaker at the waterward shoulder. Pump located approximately 50 feet landward of the toe. (Permit No. 15095-1990) FS Date: 2/3/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	1.08	Rating **	U	Issue No.	6
LM End	1.08	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.902530 °	37.902530 °
				-121.325690 °	-121.325690 °
DWR ID					
Action/Comments					
Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: No significant change at this site. 08/07/2012: The erosion is nearly vertical, and has developed upward to halfway of the levee slope. The protecting concrete blocks have been washed away. Animal activities are visible. [2014 Site ID:RD0017U02RM44.32]					

Photo 1 of 1 : SJR2014_RD0017U02RM44.32_1.jpg



Front view of the erosion site. Note the concrete blocks and vegetation.

LM Start	1.17	Rating **	U	Issue No.	21
LM End	1.17	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.901291 °	37.901291 °
				-121.325534 °	-121.325534 °
DWR ID	DWR_RD0017_02_f_2014_21				
Action/Comments					
Inspector Comments: FS_ID:40638					
EP_NO: 15097					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: Exposed section of levee on landward side--sink hole located at landward toe. Need to contact owner and DWR inspector to address issue.					
FIELD_STRUCT_DESC: 8-inch diameter irrigation pipeline through levee. Invert of pipe is 4.0 feet below levee crown. Pump house is located on the waterward slope. Siphon breaker on landward shoulder, standpipe located 10 feet from landward tee. Concrete stairs on waterward slope. (Permit No. 15097-1990)					
FS Date: 2/4/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	1.19	Rating **	C	Issue No.	12
LM End	1.19	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.901047 °	37.901047 °
				-121.325525 °	-121.325525 °
DWR ID	DWR_RD0017_02_s_2012_12				
Action/Comments					
Prunings					

No Photos

LM Start	1.28	Rating **	M	Issue No.	14
LM End	1.28	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.899510 °	37.899510 °
				-121.326030 °	-121.326030 °
DWR ID					
Action/Comments					
Inspector Comments: 06/19/2014: The erosion has been repaired. A minor erosion is still visible near the tree.					
08/13/2013: A mid-size tree is present immediately upstream of the erosion, which could block the view of the site. Some debris is visible.					
[2014 Site ID:RD0017U02RM44.52]					

Photo 1 of 1 : SJR2014_RD0017U02RM44.52_1.jpg



View from downstream.

LM Start	1.46	Rating **	M	Issue No.	22
LM End	1.46	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.897280 °	37.897280 °
				-121.326775 °	-121.326775 °
DWR ID	DWR_RD0017_02_f_2014_22				
Action/Comments					
Inspector Comments: FS_ID:40639 EP_NO: 15316 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status--pipe was not found only siphon breaker housing unit. FIELD_STRUCT_DESC: 8 inch diameter discharge pipeline through levee. Invert of pipe is 3.8 feet below levee crown. Siphon breaker on the waterward shoulder. Pump is located inside ditch located approximately 75 feet landward of levee toe. (Permit No. 15316-1989) FS Date: 2/4/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	1.51	Rating **	M	Issue No.	23
LM End	1.51	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.896602 °	37.896602 °
				-121.327104 °	-121.327104 °
DWR ID	DWR_RD0017_02_f_2014_23				
Action/Comments					
Inspector Comments: FS_ID:40640 EP_NO: 15099 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 16 inch diameter irrigation pipeline through levee. Invert of pipe is 3.64 feet below levee crown. Siphon breaker on waterward shoulder. Pump house located on the waterward berm. Standpipe located 15 feet from landward toe. Concrete stairway on waterward slope. (Permit No.15099-1989) FS Date: 2/4/2010					

No Photos

LM Start	1.70	Rating **	U	Issue No.	24
LM End	1.70	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.894217 °	37.894217 °
				-121.328231 °	-121.328231 °
DWR ID	DWR_RD0017_02_f_2014_24				
Action/Comments					
Inspector Comments: FS_ID:40641					
EP_NO: 13729					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: Wall of pipe on waterward side compromised--					
recommend having owner test the integrity of the pipe through levee.					
FIELD_STRUCT_DESC: 12-inch drainage pipe through levee located					
approximately 3 feet below crown. (Permit No. 13729-1983) Pump and					
irrigation canal located on landward side.					
FS Date: 2/4/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	2.05	Rating **	M	Issue No.	26
LM End	2.05	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.889622 °	37.889622 °
				-121.328721 °	-121.328721 °
DWR ID	DWR_RD0017_02_f_2014_26				
Action/Comments					
Inspector Comments: FS_ID:40642 EP_NO: 15317 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. Need to find out if pipe located on landward side is tied to pipe through levee. Pipe found on waterward side is filled with concrete (non-functional). FIELD_STRUCT_DESC: 10 inch diameter steel discharge pipeline through levee. Invert of pipe is 4.74 feet below levee crown. Siphon breaker on waterward slope. Pump in ditch located 300 feet landward of toe. Ramp on landward slope. 10 inch pipe connects to an existing 16 inch discharge pipe on the landward side. (Permit No. 15317-1990) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 2/4/2010					

No Photos

LM Start	2.07	Rating **	U	Issue No.	27
LM End	2.07	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.889296 °	37.889296 °
				-121.328847 °	-121.328847 °
DWR ID	DWR_RD0017_02_f_2014_27				
Action/Comments					
Inspector Comments: FS_ID:40643 EP_NO: 15101 Repair Type: Urgent Crossing Status: Found UCIP Comments: Sink hole present at siphon breaker riser located on waterward shoulder. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 16 inch diameter pipeline through levee. Invert of pipe is 4.26 feet below levee crown. Siphon breaker on waterward shoulder. Pump house located on the waterward berm, standpipe located 25 feet from landward toe. Concrete stairway on waterward slope. (Permit No. 15101-1989) FS Date: 2/4/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	2.25	Rating **	M	Issue No.	28
LM End	2.25	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.887166 °	37.887166 °
				-121.330309 °	-121.330309 °
DWR ID	DWR_RD0017_02_f_2014_28				
Action/Comments					
Inspector Comments: FS_ID:40644 EP_NO: 3013 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 18-inch pipe through the levee, 6.0 feet below the crown. Pump on pile structure in the stream. Timber walkway to the pump. Siphon breaker on the landward slope. Concrete standpipe at the toe of the landward slope. (Permit No. 3013-1960) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.25). (USACE O&M, 1963). FS Date: 2/4/2010					

No Photos

LM Start	2.26	Rating **	M	Issue No.	29
LM End	2.26	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.887057 °	37.887057 °
				-121.330484 °	-121.330484 °
DWR ID	DWR_RD0017_02_f_2014_29				
Action/Comments					
Inspector Comments: FS_ID:40645 EP_NO: 15102 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. FIELD_STRUCT_DESC: 20 inch diameter irrigation pipeline through levee. Invert of pipe is 2.8 feet below levee crown. Fill placed over the pipeline to provide 2.0 feet of cover. Siphon breaker on waterward shoulder. Pump on platform with walkway to shoulder, standpipe located 15 feet landward tee, concrete stairway on waterward slope. (Permit No. 15102-1990) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 2/4/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	2.52	Rating **	M	Issue No.	30
LM End	2.52	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.883427 °	37.883427 °
				-121.331189 °	-121.331189 °
DWR ID	DWR_RD0017_02_f_2014_30				
Action/Comments					
Inspector Comments: FS_ID:40646 EP_NO: 15103 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 8 inch diameter pipeline through levee. Invert of pipe is 3.47 feet below crown. Siphon breaker on landward shoulder. Pump house on waterward slope, standpipe located 10 feet from landward tee. Concrete stairway on waterward slope. (Permit No. 15103-1990) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 2/4/2010					

No Photos

LM Start	2.66	Rating **	M	Issue No.	92
LM End	2.66	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.881020 °	37.881020 °
				-121.332260 °	-121.332260 °
DWR ID					
Action/Comments					
Inspector Comments: 6/19/2014: The erosion was probably caused by the irrigation pipe found at the site. [2014 Site ID:RD0017U02RM45.94]					

Photo 1 of 1 : SJR2014_RD0017U02RM45.94_1.jpg



Close view of the erosion site.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	2.69	Rating **	U	Issue No.	31
LM End	2.69	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.881065 °	37.881065 °
				-121.331853 °	-121.331853 °
DWR ID	DWR_RD0017_02_f_2014_31				
Action/Comments					
Inspector Comments: FS_ID:40767 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Hole present on waterward side pipe--historical records indicate crossing abandoned however unable to confirm. Unable to confirm condition of pipe through levee. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: Abandoned 4-inch pipe through the levee, 2.0 feet below the crown. Pump on concrete pad on the waterward slope. Gate valve on the waterward slope. Pipe open on both ends. FS Date: 2/4/2010					

No Photos

LM Start	2.69	Rating **	M	Issue No.	32
LM End	2.69	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.881033 °	37.881033 °
				-121.331853 °	-121.331853 °
DWR ID	DWR_RD0017_02_f_2014_32				
Action/Comments					
Inspector Comments: FS_ID:40648 EP_NO: 15104 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity visible on waterward side and crown. Need to coordinate with owner to determine status of crossing. FIELD_STRUCT_DESC: 1 of 4: 8 inch diameter irrigation steel pipe through the levee. Invert of pipe is 2.85 feet below levee crown. Three pipes are within a 30 foot section of levee and the fourth pipe crosses at the extension of Mathews Road. Two concrete stairways on waterward slope. (Permit No. 15104-1989) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 2/4/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	2.70	Rating **	M	Issue No.	33
LM End	2.70	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.880936 °	37.880936 °
				-121.331851 °	-121.331851 °
DWR ID	DWR_RD0017_02_f_2014_33				
Action/Comments					
Inspector Comments: FS_ID:40649 EP_NO: 15104 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 2 of 4: 8 inch diameter irrigation steel pipe through the levee. Invert of pipe is 2.85 feet below levee crown. Three pipes are within a 30 foot section of levee and the fourth pipe crosses at the extension of Mathews Road. Two concrete stairways on waterward slope. (Permit No. 15104-1989) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 2/4/2010					

No Photos

LM Start	2.70	Rating **	M	Issue No.	34
LM End	2.70	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.880895 °	37.880895 °
				-121.331867 °	-121.331867 °
DWR ID	DWR_RD0017_02_f_2014_34				
Action/Comments					
Inspector Comments: FS_ID:40651 EP_NO: 15104 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 3 of 4: 8 inch diameter irrigation steel pipe through the levee. Invert of pipe is 2.85 feet below levee crown. Three pipes are within a 30 foot section of levee and the fourth pipe crosses at the extension of Mathews Road. Two concrete stairways on waterward slope. (Permit No. 15104-1989) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 2/4/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	2.71	Rating **	M	Issue No.	93
LM End	2.73	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.880710 °	37.880710 °
				-121.332200 °	-121.332200 °
DWR ID					
Action/Comments					
Inspector Comments: 6/19/2014: The erosion is in the river bank which has an estimated 10-ft wide berm. [2014 Site ID:RD0017U02RM45.95]					

Photo 1 of 1 : SJR2014_RD0017U02RM45.95_1.jpg



Front view of the erosion along the water edge. Note the vegetation at the erosion site.

LM Start	2.78	Rating **	C	Issue No.	94
LM End	2.79	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.879293 °	37.879293 °
				-121.332518 °	-121.332518 °
DWR ID					
Action/Comments					
Inspector Comments: 06/19/2014: The erosion has been repaired. 08/13/2013: Found during boat survey. There is vegetation at the site. [2014 Site ID:RD0017U02RM46.03]					

No Photos

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	2.80	Rating **	U	Issue No.	35
LM End	2.80	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.879604 °	37.879604 °
				-121.332109 °	-121.332109 °
DWR ID	DWR_RD0017_02_f_2014_35				
Action/Comments					
Inspector Comments: FS_ID:40654 EP_NO: 15105 Repair Type: Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 10-inch diameter irrigation pipeline through levee. Invert of pipe is 3.84 feet below crown. Siphon breaker on landward shoulder. Pump on platform in channel. A walkway extend from the pump platform to the waterward shoulder, standpipe located 14 feet from landward toe. (Permit No. 15105-1989) FS Date: 2/4/2010					

No Photos

LM Start	2.81	Rating **	M	Issue No.	95
LM End	2.81	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.878660 °	37.878660 °
				-121.332400 °	-121.332400 °
DWR ID					
Action/Comments					
Inspector Comments: 06/19/2014: A pocket erosion was found during the boat survey. [2014 Site ID:RD0017U02RM46.1]					

Photo 1 of 1 : SJR2014_RD0017U02RM46.1_1.jpg



Front view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	3.04	Rating **	M	Issue No.	36
LM End	3.04	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.876317 °	37.876317 °
				-121.331447 °	-121.331447 °
DWR ID	DWR_RD0017_02_f_2014_36				
Action/Comments					
Inspector Comments: FS_ID:40655					
EP_NO: 15106					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Burrow activity session on landward slope. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23.					
FIELD_STRUCT_DESC: 10 inch diameter irrigation pipeline through levee. Invert of pipe is 4.1 feet below levee crown. Siphon breaker on landward shoulder. Pump on waterward slope, standpipe located 14 feet landward of levee toe. (Permit No. 15106-1989) This pipe was installed during the levee work approved under encroachment number 15014.					
FS Date: 2/4/2010					

No Photos

LM Start	3.20	Rating **	U	Issue No.	39
LM End	3.20	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.874160 °	37.874160 °
				-121.331761 °	-121.331761 °
DWR ID	DWR_RD0017_02_f_2014_39				
Action/Comments					
Inspector Comments: FS_ID:40656 EP_NO: 15310 Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe wall deteriorated. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 10 inch discharge pipeline through levee. The invert of the pipe is 3.78 feet below crown. Siphon breaker on landward shoulder. Pump located on the landward side approximately 45 feet from the levee toe. (Permit No. 15310-1989) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 2/4/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	3.46	Rating **	C	Issue No.	5
LM End	3.46	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.870560 °	37.870560 °
				-121.329120 °	-121.329120 °
DWR ID					
Action/Comments					
Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: This site was repaired prior to the boat survey. No new erosion discovered. 08/07/2012: The erosion is immediately upstream of riprap protection section. The possible cause of the erosion is the rainfall runoff washout. [2014 Site ID:RD0017U02RM42.02]					

No Photos

LM Start	3.51	Rating **	M	Issue No.	40
LM End	3.51	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.870623 °	37.870623 °
				-121.328775 °	-121.328775 °
DWR ID	DWR_RD0017_02_f_2014_40				
Action/Comments					
Inspector Comments: FS_ID:40658 EP_NO: 4116 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. FIELD_STRUCT_DESC: 8 inch diameter high pressure gas main through the levee. Invert of pipe is 3.9 feet below the crown. Location sign for gas pipeline crossing on waterward slope. (Permit No. 4116-1962) PG&E contact information 510-779-4830 for crossing. FS Date: 2/4/2010					

No Photos

LM Start	3.62	Rating **	M	Issue No.	96
LM End	3.62	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.868500 °	37.868500 °
				-121.327670 °	-121.327670 °
DWR ID					
Action/Comments					
Inspector Comments: 06/19/2014: The erosion is near a large tree and probably has been caused by the irrigation pipe on the site. [2014 Site ID:RD0017U02RM46.89]					

Photo 1 of 1 : SJR2014_RD0017U02RM46.89_1.jpg



Front view of the erosion. Note the tree and the irrigation pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	3.67	Rating **	M	Issue No.	41
LM End	3.67	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.868657 °	37.868657 °
				-121.327383 °	-121.327383 °
DWR ID	DWR_RD0017_02_f_2014_41				
Action/Comments					
Inspector Comments: FS_ID:40659					
EP_NO: 15109					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Erosion around siphon breaker on landward side					
recommend investigating potential leak.					
FIELD_STRUCT_DESC: 12 inch pipeline through levee. Invert of pipe					
is 4.0 feet below levee crown. Siphon breaker on landward shoulder.					
Pump in irrigation ditch 45 feet from landward toe. (Permit No. 15109-					
1990)					
FS Date: 2/4/2010					

No Photos

LM Start	3.68	Rating **	C	Issue No.	15
LM End	3.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.868532 °	37.868532 °
				-121.327255 °	-121.327255 °
DWR ID	DWR_RD0017_02_s_2013_15				
Action/Comments					
Prunings					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	3.78	Rating **	M	Issue No.	42
LM End	3.78	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.867247 °	37.867247 °
				-121.326724 °	-121.326724 °
DWR ID	DWR_RD0017_02_f_2014_42				
Action/Comments					
Inspector Comments: FS_ID:40660 EP_NO: 15110 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 12 inch diameter irrigation pipeline through levee. Invert of pipe is 3.88 below levee crown. Siphon breaker on landward shoulder. Pump on landward slope, standpipe located 10 feet from the landward toe stairway. (Permit No. 15110-1989) FS Date: 2/4/2010					

No Photos

LM Start	4.24	Rating **	M	Issue No.	48
LM End	4.27	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.863819 °	37.863601 °
				-121.320784 °	-121.320299 °
DWR ID	DWR_RD0017_02_s_2012_48				
Action/Comments					
Landscaping					

Photo 1 of 3 : FA_2014_RD0017_304_48_20141010_00017.jpg



Looking southeast at dense ground cover on landside slope. (Spring 2013)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	4.24	Rating **	M	Issue No.	48 (cont)	
LM End	4.27	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			37.863819 °		37.863601 °
				-121.320784 °		-121.320299 °
DWR ID	DWR_RD0017_02_s_2012_48					
Action/Comments						
Landscaping						

Photo 2 of 3 : FA_2014_RD0017_304_48_20141010_00018.jpg



Looking southeast at overgrown landscaping on landside slope. (Spring 2014)

LM Start	4.24	Rating **	M	Issue No.	48 (cont)
LM End	4.27	Issue Type +	En	Location *	LS

Photo 3 of 3 : FA_2014_RD0017_304_48_20141010_00019.jpg



Looking east at overgrown landscaping on landside slope. (Spring 2014)

LM Start	4.27	Rating **	M	Issue No.	43
LM End	4.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.863644 °	37.863644 °
				-121.320435 °	-121.320435 °
DWR ID	DWR_RD0017_02_f_2014_43				
Action/Comments					
Inspector Comments: FS_ID:40661					
EP_NO: 15111					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe is not continous. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	4.28	Rating **	U	Issue No.	11
LM End	4.32	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.863582 °	37.862947 °
				-121.320230 °	-121.319812 °
DWR ID	DWR_RD0017_02_s_2012_11				
Action/Comments					
Crops					

Photo 1 of 4 : FA_2014_RD0017_304_11_20141010_00006.jpg



Grape vines on landside slope from LM 4.28 to 4.32

LM Start	4.28	Rating **	U	Issue No.	11 (cont)
LM End	4.32	Issue Type +	En	Location *	LS

Photo 2 of 4 : FA_2014_RD0017_304_11_20141010_00007.jpg



Looking northeast at dense landscaping on landside slope.

LM Start	4.28	Rating **	U	Issue No.	11 (cont)
LM End	4.32	Issue Type +	En	Location *	LS

Photo 3 of 4 : FA_2014_RD0017_304_11_20141010_00008.jpg



Looking south at landscaping with grape vines on landside slope

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	4.28	Rating **	U	Issue No.	11 (cont)
LM End	4.32	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.863582 °	37.862947 °
				-121.320230 °	-121.319812 °
DWR ID	DWR_RD0017_02_s_2012_11				
Action/Comments					
Crops					

Photo 4 of 4 : FA_2014_RD0017_304_11_20141010_00009.jpg



Looking southeast at grape vines on landside slope

LM Start	4.31	Rating **	M	Issue No.	44
LM End	4.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.863195 °	37.863195 °
				-121.319920 °	-121.319920 °
DWR ID	DWR_RD0017_02_f_2014_44				
Action/Comments					
Inspector Comments: FS_ID:40662 EP_NO: 15112 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. Debris (pipe section) scattered on waterward side. FIELD_STRUCT_DESC: 10 inch diameter irrigation pipeline through levee. Invert of pipe is 4.12 feet below crown. Siphon breaker on landward shoulder. Pump on waterward berm, standpipe located 28 feet from the landward toe. (Permit No. 15112-1990). Stairway located on both waterward and landward slopes. This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 2/4/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	4.37	Rating **	M	Issue No.	45
LM End	4.37	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.862383 °	37.862383 °
				-121.319797 °	-121.319797 °
DWR ID	DWR_RD0017_02_f_2014_45				
Action/Comments					
Inspector Comments: FS_ID:40376					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Unable to confirm if conduit goes through levee.					
Need to contact owner to obtain additional information about crossing and status.					
FIELD_STRUCT_DESC: 2.5 inch conduit visible on landward side.					
FS Date: 2/25/2010					

No Photos

LM Start	4.42	Rating **	U	Issue No.	1
LM End	4.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.861673 °	37.861370 °
				-121.320115 °	-121.320102 °
DWR ID	DWR_RD0017_02_s_2012_1				
Action/Comments					
Landscaping					

LM Start	4.42	Rating **	U	Issue No.	1 (cont)
LM End	4.44	Issue Type +	En	Location *	LS

Photo 1 of 3 : FA_2014_RD0017_304_1_20141010_00001.jpg



Looking southeast at ground cover on landside slope.

Photo 2 of 3 : FA_2014_RD0017_304_1_20141010_00002.jpg



Looking south at overgrown oleanders on landside shoulder. (Spring 2014)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	4.42	Rating **	U	Issue No.	1 (cont)	
LM End	4.44	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			37.861673 °		37.861370 °
				-121.320115 °		-121.320102 °
DWR ID	DWR_RD0017_02_s_2012_1					
Action/Comments						
Landscaping						

Photo 3 of 3 : FA_2014_RD0017_304_1_20141010_00003.jpg



Looking southwest at landscaping and boat dock on waterside slope and channel.

LM Start	4.46	Rating **	C	Issue No.	2
LM End	4.46	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.861223 °	37.861223 °
				-121.319957 °	-121.319957 °
DWR ID	DWR_RD0017_02_s_2012_2				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	4.50	Rating **	U	Issue No.	46
LM End	4.50	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.860995 °	37.860995 °
				-121.319264 °	-121.319264 °
DWR ID	DWR_RD0017_02_f_2014_46				

No Photos

Action/Comments					
Inspector Comments: FS_ID:40664 EP_NO: 15114 Repair Type: Urgent Crossing Status: Found UCIP Comments: Depression present on levee crown along pipe alignment--unable to confirm if crossing is leaking through levee or poor compaction was performed in this area. Recommend LMA superintendent notify owner to investigate and avoid further damage to levee crown. Owner will need to coordinate with DWR Inspector and CVFPB to address potential pipe damage per Title 23 requirements. FIELD_STRUCT_DESC: 8 inch diameter irrigation pipeline through levee. Invert of pipe is 3.08 feet below the levee crown. Siphon breaker on waterward shoulder. Pump in pump house on waterward slope, standpipe located 10 feet from landward toe. Wooden walkway extends from the standpipe to the landward shoulder. Concrete stairway on waterward slope. (Permit No. 15114-1990). This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 2/4/2010					

LM Start	4.86	Rating **	U	Issue No.	47
LM End	4.86	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.856998 °	37.856998 °
				-121.318796 °	-121.318796 °
DWR ID	DWR RD0017 02 f 2014 47				

No Photos

Action/Comments					
Inspector Comments: FS_ID:40666 EP_NO: 15116 Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe failure--internal erosion visible on waterward and landward side. Recommend LMA superintendent notify owner to stop using crossing to avoid further damage to levee slope. Owner will need to coordinate with DWR Inspector and CVFPB to address pipe failure per Title 23 requirements. FIELD_STRUCT_DESC: 14 inch diameter pipe through levee. Invert pipe is 4.83 feet below levee crown. Siphon breaker on waterward shoulder. Pump on platform in channel, wooden walkway extends from pump platform to waterward slope, concrete stairway extends from walkway to waterward shoulder. A double side approach ramp is located on the landward slope. Concrete stairway on waterward slope. (Permit No. 15116-1990) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 2/4/2010					

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	5.01	Rating **	U	Issue No.	49
LM End	5.01	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.855356 °	37.855356 °
				-121.319849 °	-121.319849 °
DWR ID	DWR_RD0017_02_f_2014_49				
Action/Comments					
Inspector Comments: FS_ID:40667 EP_NO: 15117 Repair Type: Urgent Crossing Status: Found UCIP Comments: Section of landward slope exposed--Need to contact owner to address cut on levee and determine status of crossing. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 10 inch diameter pipeline through levee. Invert of pipe is 4.26 feet below levee crown. Siphon breaker on waterward shoulder. Pump located in excess of 100 feet from the landward toe. Ramp on landward slope. (Permit No. 15117-1989) FS Date: 2/4/2010					

No Photos

LM Start	5.01	Rating **	C	Issue No.	3
LM End	5.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.855343 °	37.855343 °
				-121.319845 °	-121.319845 °
DWR ID	DWR_RD0017_02_s_2012_3				
Action/Comments					
Prunings					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	5.14	Rating **	U	Issue No.	50
LM End	5.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.853613 °	37.853613 °
				-121.319666 °	-121.319666 °
DWR ID	DWR_RD0017_02_f_2014_50				
Action/Comments					
Inspector Comments: FS_ID:40668 EP_NO: 15118 Repair Type: Urgent Crossing Status: Found UCIP Comments: Erosion visible on waterward side visible at pipe daylight. Need to contact owner to address potential pipe failure. Need to determine status of crossing. FIELD_STRUCT_DESC: 14 inch diameter irrigation pipeline through levee. Invert of pipe is 4.49 feet below levee crown. Siphon breaker on landward shoulder. Pump on platform in channel, wooden walkway extends from pump platform to waterward slope, concrete stairway extends from walkway to waterward shoulder and a standpipe is located 2 feet from the landward toe. (Permit No. 15118-1989) FS Date: 2/4/2010					

No Photos

LM Start	5.48	Rating **	M	Issue No.	51
LM End	5.48	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.851319 °	37.851319 °
				-121.321336 °	-121.321336 °
DWR ID	DWR_RD0017_02_f_2014_51				
Action/Comments					
Inspector Comments: FS_ID:40669					
EP_NO: 15119					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner to determine status.					
FIELD_STRUCT_DESC: 16 inch diameter pipe through levee. Invert of pipe is 5.11 feet below levee crown. Slant pump on riverbank, standpipe located 30 feet from the landward toe. Ramp on waterward slope. (Permit No. 15119-1990). This pipe was installed during the levee work approved under encroachment number 15014.					
FS Date: 2/4/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	5.55	Rating **	A/W	Issue No.	568
LM End	5.55	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.850652 °	37.850652 °
				-121.320498 °	-121.320498 °
DWR ID	DWR_RD0017_02_s _ 2012_568				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

LM Start	5.58	Rating **	A/W	Issue No.	76
LM End	5.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.850118 °	37.850118 °
				-121.320188 °	-121.320188 °
DWR ID	DWR_RD0017_02_s _ 2012_76				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	5.62	Rating **	C	Issue No.	54
LM End	5.85	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.849472 °	37.848582 °
				-121.320159 °	-121.323647 °
DWR ID	DWR_RD0017_02_s _ 2012_54				
Action/Comments					
Landscaping					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	5.77	Rating **	C	Issue No.	19
LM End	5.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.849267 °	37.849267 °
				-121.322590 °	-121.322590 °
DWR ID	DWR_RD0017_02_s_2012_19				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	5.98	Rating **	C	Issue No.	16
LM End	5.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.847107 °	37.847107 °
				-121.323238 °	-121.323238 °
DWR ID	DWR_RD0017_02_s_2013_16				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Cactus on landside toe.					

No Photos

LM Start	6.00	Rating **	C	Issue No.	17
LM End	6.00	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.846935 °	37.846935 °
				-121.323045 °	-121.323045 °
DWR ID	DWR_RD0017_02_s_2013_17				
Action/Comments					
Equipment					
Inspector Comments: Equipment should be removed outside the ten foot easement.					

No Photos

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	6.22	Rating **	M	Issue No.	52
LM End	6.22	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.844392 °	37.844392 °
				-121.320753 °	-121.320753 °
DWR ID	DWR_RD0017_02_f_2014_52				
Action/Comments					
Inspector Comments: FS_ID:40672 EP_NO: 15121 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe section at waterward toe is missing wall. Need to coordinate with owner to determine integrity of pipe section through levee. This crossing is a good candidate for video inspection to determine internal condition of pipe. FIELD_STRUCT_DESC: 2 of 2. 10 inch steel pipe, 1 of 2, one (1) 10 inch pipe and (1) 12 inch pipe, through the levee. Invert of pipe is 4.0 feet below crown. (Permit No. 15121-1991) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 2/4/2010					

No Photos

LM Start	6.67	Rating **	U	Issue No.	53
LM End	6.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.840824 °	37.840824 °
				-121.315710 °	-121.315710 °
DWR ID	DWR_RD0017_02_f_2014_53				
Action/Comments					
Inspector Comments: FS_ID:40676					
EP_NO: 15122					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: Extent of erosion or scour hole on waterward side unknown--unable to estimate due to dense vegetation on waterward slope. Dense vegetation on waterward side limits inspection. Need to contact owner to determine status and integrity of pipe through levee.					
FIELD_STRUCT_DESC: 1 of 2: 14 inch diameter irrigation pipe, 2 of 2, one (1) 12 inch and one (1) 14 inch, through levee. Invert of pipe is 3.66 feet below levee crown. Siphon breaker on waterward shoulder. Ramp on landward slope.					
FS Date: 2/4/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	6.67	Rating **	U	Issue No.	55
LM End	6.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.840792 °	37.840792 °
				-121.315718 °	-121.315718 °
DWR ID	DWR_RD0017_02_f_2014_55				
Action/Comments					
Inspector Comments: FS_ID:40675 EP_NO: 15122 Repair Type: Urgent Crossing Status: Found UCIP Comments: Extent of erosion on waterward side unknown--unable to estimate due to dense vegetation on waterward slope. Dense vegetation on waterward side limits inspection. Need to contact owner to determine status and integrity of pipe through levee. FIELD_STRUCT_DESC: 2 of 2: 12 inch diameter discharge pipe, 1 of 2, one (1) 12 inch and one (1) 14 inch, through the levee. Invert of pipe is 3.66 feet below levee crown. Siphon breaker on waterward shoulder. Pump located 75 feet from the landward toe. (Permit No. 15122-1989) FS Date: 2/4/2010					

No Photos

LM Start	6.82	Rating **	C	Issue No.	13
LM End	7.07	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.838668 °	37.835402 °
				-121.316663 °	-121.315262 °
DWR ID	DWR_RD0017_02_s_2012_13				
Action/Comments					
Crops					
Inspector Comments: Alfalfa five feet from levee toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	6.88	Rating **	M	Issue No.	56
LM End	6.88	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.837995 °	37.837995 °
				-121.316566 °	-121.316566 °
DWR ID	DWR_RD0017_02_f_2014_56				
Action/Comments					
Inspector Comments: FS_ID:40677					
EP_NO: 15123					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Landowner mentioned power line was stolen crossing was non-functional during inspection. Potential erosion underneath walkway--need to confirm lose soil. Need to contact owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment.					
FIELD_STRUCT_DESC: 16 inch diameter pipe through levee. Invert of pipe is 4.03 feet below the levee crown. Siphon breaker on waterward shoulder. Ramp on platform in channel, walkway from pump platform to waterward slope, standpipe located at landward berm toe. (Permit No. 15123-1989)					
FS Date: 2/4/2010					

No Photos

LM Start	7.26	Rating **	M	Issue No.	57
LM End	7.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.833426 °	37.833426 °
				-121.313023 °	-121.313023 °
DWR ID	DWR_RD0017_02_f_2014_57				
Action/Comments					
Inspector Comments: FS_ID:40679					
EP_NO: 15077					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Surface erosion on waterward slope. Abandoned pipe section left on waterward slope. Need to contact owner to obtain additional information about crossing.					
FIELD_STRUCT_DESC: 12 inch diameter irrigation pipeline through levee. Invert of pipe 3.67 feet below levee crown. Siphon breaker on landward shoulder. Pump on platform in channel, walkway from pump platform to waterward shoulder. Standpipe located 15 feet from the landward toe. (Permit No. 15077-1989)					
FS Date: 2/4/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	7.29	Rating **	M	Issue No.	18
LM End	7.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.833162 °	37.833162 °
				-121.312715 °	-121.312715 °
DWR ID	DWR_RD0017_02_s_2013_18				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	7.29	Rating **	M	Issue No.	58
LM End	7.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.833088 °	37.833088 °
				-121.312676 °	-121.312676 °
DWR ID	DWR_RD0017_02_f_2014_58				
Action/Comments					
Inspector Comments: FS_ID:40680 EP_NO: 15078 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing is non-functional recommend contacting owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 4 inch diameter pipeline through levee. Invert of pipe is 3.22 feet below levee crown. Siphon breaker on landward shoulder. Pump on waterward berm. (Permit No. 15078-1989) FS Date: 2/4/2010					

No Photos

LM Start	7.51	Rating **	M	Issue No.	4
LM End	7.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.830350 °	37.830350 °
				-121.310880 °	-121.310880 °
DWR ID	DWR_RD0017_02_s_2012_4				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	7.53	Rating **	M	Issue No.	59
LM End	7.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.830158 °	37.830158 °
				-121.310915 °	-121.310915 °
DWR ID	DWR_RD0017_02_f_2014_59				
Action/Comments					
Inspector Comments: FS_ID:40681 EP_NO: 15079 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. FIELD_STRUCT_DESC: 14 inch pipeline through levee. Invert of pipe is 4.28 feet below levee crown. Siphon breaker on waterward shoulder. Pump on platform in channel, walkway from pump platform to the top of the riverbank, standpipe located 12 feet from landward tee. (Permit No. 15079-1990) FS Date: 2/4/2010					

No Photos

LM Start	7.53	Rating **	M	Issue No.	60
LM End	7.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.830115 °	37.830115 °
				-121.310908 °	-121.310908 °
DWR ID	DWR_RD0017_02_f _ 2014_60				
Action/Comments					
Inspector Comments: FS_ID:40682					
EP_NO: 17643					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to coordinate with owner to determine when the other 3 crossings will become online.					
FIELD_STRUCT_DESC: 36 inch pipe installed in the levee section and within 10 feet of the levee toes shall be new steel and at least 3 gauge.					
Steel pipe shall be corrosive-proofed externally with a coating of coal-tar enamel; asphalt-saturated felt wrap; cement mortal; or PVC or polyethylene tape wrapped to a thickness of 30 mils. Structure was designed for 4 crossings however only 1 crossing is active the other 3 crossings are not online.					
FS Date: 2/4/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	7.54	Rating **	M	Issue No.	61
LM End	7.54	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.829922 °	37.829922 °
				-121.310865 °	-121.310865 °
DWR ID	DWR_RD0017_02_f_2014_61				
Action/Comments					
Inspector Comments: FS_ID:40683					
EP_NO: 15079					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Potential leak at standpipe--unable to confirm if crossing is operable. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use.					
FIELD_STRUCT_DESC: 2 of 2. 10 inch pipe also referenced as 478+22, old 6 inch pipe was removed per encroachment recordation.					
FS Date: 2/4/2010					

No Photos

LM Start	7.67	Rating **	M	Issue No.	62
LM End	7.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.828258 °	37.828258 °
				-121.310003 °	-121.310003 °
DWR ID	DWR_RD0017_02_f_2014_62				
Action/Comments					
Inspector Comments: FS_ID:40684					
EP_NO: 15080					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe appears no longer in use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use.					
FIELD_STRUCT_DESC: 6 inch irrigation pipe through the levee at 4.43 feet below crown. (Permit No. 15080-1989)					
FS Date: 2/4/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	7.67	Rating **	M	Issue No.	25
LM End	7.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.828095 °	37.827920 °
				-121.309945 °	-121.309847 °
DWR ID	DWR_RD0017_02_s_2012_25				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : FA_2014_RD0017_304_25_20141010_00016.jpg



Elderberry blocking view of landside slope and toe from LM 7.67 to 7.69

LM Start	7.81	Rating **	M	Issue No.	63
LM End	7.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.826333 °	37.826333 °
				-121.309495 °	-121.309495 °
DWR ID	DWR_RD0017_02_f_2014_63				
Action/Comments					
Inspector Comments: FS_ID:40685 EP_NO: 15081 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion present on waterward toe underneath piles. Need to coordinate with owner to address issue on waterward side and to determine status of crossing. FIELD_STRUCT_DESC: 16 inch diameter irrigaiton pipe through the right bank of the San Joaquin River. Per permit requirements this pipe required pipe within the levee section to be of new steel, at least No. 7 gauge, asphalt coated and wrapped with asphalt saturated felt outside and asphalt coated inside. Siphon breaker located on landward side. Stand pipe located at landward toe. FS Date: 2/4/2010					

No Photos

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	7.83	Rating **	M	Issue No.	64
LM End	7.83	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.826031 °	37.826031 °
				-121.309569 °	-121.309569 °
DWR ID	DWR_RD0017_02_f_2014_64				
Action/Comments					
Inspector Comments: FS_ID:40686					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Unable to find any appurtenances need to coordinate with owner to obtain additional information about crossing. Standpipe appears abandoned. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use.					
FIELD_STRUCT_DESC: Standpipe located on levee crown.					
FS Date: 2/4/2010					

No Photos

LM Start	7.85	Rating **	M	Issue No.	65
LM End	7.85	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.825857 °	37.825857 °
				-121.309574 °	-121.309574 °
DWR ID	DWR_RD0017_02_f_2014_65				
Action/Comments					
Inspector Comments: FS_ID:40687 EP_NO: 15082 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pumps were removed and no power connection visible. Crossing appears abandoned. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. FIELD_STRUCT_DESC: 1 of 2. 20 inch diameter irrigation pipe through levee at unknown depth. Piles and platform located on waterward side. Siphon breaker located on landward side. This crossing is the first of 2-14 inch diameter irrigation pipes replaced. The new pipe per permit should have been intalled through levee section to be of new steel, at least No. 7 gauge, asphalt coated and wrapped with asphalt saturated felt outside and asphalt coated inside. FS Date: 2/4/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	7.85	Rating **	M	Issue No.	66
LM End	7.85	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.825828 °	37.825828 °
				-121.309569 °	-121.309569 °
DWR ID	DWR_RD0017_02_f_2014_66				
Action/Comments					
Inspector Comments: FS_ID:40688 EP_NO: 15082 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump was removed and no power connection visible. Crossing appears abandoned. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. FIELD_STRUCT_DESC: 2 of 2. 16 inch diameter irrigation pipe through levee at unknown depth. Piles and platform located on waterward side. Siphon breaker located on landward side. This crossing is the first of 2-14 inch diameter irrigation pipes replaced. The new pipe per permit should have been intalled through levee section to be of new steel, at least No. 7 gauge, asphalt coated and wrapped with asphalt saturated felt outside and asphalt coated inside. FS Date: 2/4/2010					

No Photos

LM Start	7.99	Rating **	M	Issue No.	67
LM End	7.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.823987 °	37.823987 °
				-121.309841 °	-121.309841 °
DWR ID	DWR_RD0017_02_f_2014_67				
Action/Comments					
Inspector Comments: FS_ID:40689					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Only siphon breakers were found on landward shoulder no other appurtenances were found. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use.					
FIELD_STRUCT_DESC: Siphon breaker located on landward shoulder.					
FS Date: 2/4/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	9.10	Rating **	U	Issue No.	68
LM End	9.10	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.818145 °	37.818145 °
				-121.314278 °	-121.314278 °
DWR ID	DWR_RD0017_02_f_2014_68				
Action/Comments					
Inspector Comments: FS_ID:40691					
EP_NO: 15083					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: Pipe wall has corroded through--wall missing from pipe section located on waterward side. Recommend investigating the pipe integrity through levee section. Damage to pipe has eroded the levee slope on waterward side. Recommend LMA superintendent contact owner to stop using crossing and coordinate with CVFPB to address pipe leak. Owner will need to coordinate with DWR inspector and CVFPB.					
FIELD_STRUCT_DESC: 1 of 2. 12-inch irrigation pipe through levee. Invert of pipe is 3.69 feet below crown. Siphon breaker on landward shoulder. Pump in irrigation ditch 50 feet from landward tee. (Permit No. 15083-1989)					
FS Date: 2/4/2010					

No Photos

LM Start	9.10	Rating **	U	Issue No.	69
LM End	9.10	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.818123 °	37.818123 °
				-121.314272 °	-121.314272 °
DWR ID	DWR_RD0017_02_f_2014_69				
Action/Comments					
Inspector Comments: FS_ID:40692					
EP_NO: 15083					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: Pipe wall has corroded through--wall missing from pipe section located on waterward side. Recommend investigating the pipe integrity through levee section. Damage to pipe has eroded the levee slope on waterward side. Recommend LMA superintendent contact owner to stop using crossing and coordinate with CVFPB to address pipe leak. Owner will need to coordinate with DWR inspector and CVFPB.					
FIELD_STRUCT_DESC: 2 of 2. 12-inch irrigation pipe through levee. Invert of pipe is 3.69 feet below crown. Siphon breaker on landward shoulder. Pump in irrigation ditch 50 feet from landward tee. (Permit No. 15083-1989)					
FS Date: 2/4/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	9.40	Rating **	M	Issue No.	9
LM End	9.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.815243 °	37.815243 °
				-121.317470 °	-121.317470 °
DWR ID	DWR_RD0017_02_s_2012_9				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : FA_2014_RD0017_304_9_20141023_00028.jpg



Looking east at bamboo at landward toe.

LM Start	11.19	Rating **	M	Issue No.	70
LM End	11.19	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.806150 °	37.806150 °
				-121.314875 °	-121.314875 °
DWR ID	DWR_RD0017_02_f_2014_70				
Action/Comments					
Inspector Comments: FS_ID:40693 EP_NO: 18514 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe underconstruction--localized settlement on waterward side. Cracking, sliding, minor soil slumping around ingress on waterward appears to be poor compaction during pipe bedding. Need to contact owner to address settlement along pipe alignment. Also need additional photos of completed project. FIELD_STRUCT_DESC: 16 inch diameter steel irrigation pipe through the levee. Pipe includes a 30 horse power slant pump supported by two 10-3/4 inch diameter steel pilings on the waterward side. Stand pipe located on the landward side. (Permit No. 18514-2010) FS Date: 2/4/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	11.45	Rating **	M	Issue No.	71
LM End	11.45	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.803410 °	37.803410 °
				-121.312031 °	-121.312031 °
DWR ID	DWR_RD0017_02_f_2014_71				
Action/Comments					
Inspector Comments: FS_ID:40695 EP_NO: 15055 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is not connected on waterward side. Crossing is non-functional recommend contacting owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 16 inch diameter pipe through levee. Invert pipe is 3.91 feet below levee crown. Siphon breaker on landward shoulder. Slant pump on waterward slope, standpipe located 11 feet from the landward toe. (Permit No. 15055-1989) FS Date: 2/4/2010					

No Photos

LM Start	11.49	Rating **	M	Issue No.	72
LM End	11.49	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802913 °	37.802913 °
				-121.311957 °	-121.311957 °
DWR ID	DWR_RD0017_02_f_2014_72				
Action/Comments					
Inspector Comments: FS_ID:40696 EP_NO: 17792 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope--Need to contact owner. FIELD_STRUCT_DESC: 1 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005) FS Date: 2/4/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	11.49	Rating **	M	Issue No.	73
LM End	11.49	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802897 °	37.802897 °
				-121.311949 °	-121.311949 °
DWR ID	DWR_RD0017_02_f_2014_73				
Action/Comments					
Inspector Comments: FS_ID:40697 EP_NO: 17792 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope--need to contact owner. FIELD_STRUCT_DESC: 2 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005) FS Date: 2/4/2010					

No Photos

LM Start	11.49	Rating **	M	Issue No.	74
LM End	11.49	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802880 °	37.802880 °
				-121.311952 °	-121.311952 °
DWR ID	DWR_RD0017_02_f_2014_74				
Action/Comments					
Inspector Comments: FS_ID:40698 EP_NO: 17792 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope--need to contact owner. FIELD_STRUCT_DESC: 3 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005) FS Date: 2/4/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	11.49	Rating **	M	Issue No.	75
LM End	11.49	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802862 °	37.802862 °
				-121.311949 °	-121.311949 °
DWR ID	DWR_RD0017_02_f_2014_75				
Action/Comments					
Inspector Comments: FS_ID:40699 EP_NO: 17792 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope--need to contact owner. FIELD_STRUCT_DESC: 4 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005) FS Date: 2/4/2010					

No Photos

LM Start	11.49	Rating **	M	Issue No.	77
LM End	11.49	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802862 °	37.802862 °
				-121.311951 °	-121.311951 °
DWR ID	DWR_RD0017_02_f_2014_77				
Action/Comments					
Inspector Comments: FS_ID:40700 EP_NO: 17792 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope--need to contact owner. FIELD_STRUCT_DESC: 5 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005) FS Date: 2/4/2010					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	11.49	Rating **	M	Issue No.	78
LM End	11.49	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802845 °	37.802845 °
				-121.311948 °	-121.311948 °
DWR ID	DWR_RD0017_02_f_2014_78				
Action/Comments					
Inspector Comments: FS_ID:40701 EP_NO: 17792 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope--need to contact owner. FIELD_STRUCT_DESC: 6 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005) FS Date: 2/4/2010					

No Photos

LM Start	12.28	Rating **	M	Issue No.	79
LM End	12.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793766 °	37.793766 °
				-121.305986 °	-121.305986 °
DWR ID	DWR_RD0017_02_f_2014_79				
Action/Comments					
Inspector Comments: FS_ID:40704					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner to determine status of crossing and obtain additional information about crossing (permit and install date).					
FIELD_STRUCT_DESC: 2 of 2. 12 inch drainage pipe through levee at unknown depth. Concrete "U" wall located on waterward side. Flap gate on waterward side. 8-4 inch steel coated scheduled 40 pipes located on waterward shoulder about 6 inch cover. Seepage berm located on landward side.					
FS Date: 2/4/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	12.29	Rating **	M	Issue No.	80
LM End	12.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793831 °	37.793831 °
				-121.305989 °	-121.305989 °
DWR ID	DWR_RD0017_02_f_2014_80				
Action/Comments					
Inspector Comments: FS_ID:40702					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No pipe found during site visit only air valve and power meter. Dense vegetation along waterward slope recommend clearing vegetation from slope to conduct proper pipe inspection. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements.					
FIELD_STRUCT_DESC: Old timber pilings located in the channel.					
Abandoned electrical service box located on waterward slope. Air release valve located on landward shoulder.					
FS Date: 2/4/2010					

No Photos

LM Start	12.29	Rating **	M	Issue No.	81
LM End	12.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793779 °	37.793779 °
				-121.305984 °	-121.305984 °
DWR ID	DWR_RD0017_02_f_2014_81				
Action/Comments					
Inspector Comments: FS_ID:40703					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner to determine status of crossing and obtain additional information about crossing (permit and install date).					
FIELD_STRUCT_DESC: 1 of 2. 54 inch drainage pipe through levee at unknown depth. Concrete "U" wall located on waterward side. Flap gate on waterward side. 8-4 inch steel coated scheduled 40 pipes located on waterward shoulder about 6 inch cover. Seepage berm located on landward side.					
FS Date: 2/4/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	12.47	Rating **	C	Issue No.	569
LM End	12.47	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.791269 °	37.791269 °
				-121.306252 °	-121.306252 °
DWR ID	DWR_RD0017_02_f_2012_569				
Action/Comments					
Pipe Inspector Comments: Abandoned irrigation pipe					

No Photos

LM Start	12.47	Rating **	M	Issue No.	82
LM End	12.47	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.791231 °	37.791231 °
				-121.306269 °	-121.306269 °
DWR ID	DWR_RD0017_02_f_2014_82				
Action/Comments					
Inspector Comments: FS_ID:40705					
EP_NO: 15050					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to coordinate					

No Photos

LM Start	12.57	Rating **	M	Issue No.	83
LM End	12.57	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.789976 °	37.789976 °
				-121.306853 °	-121.306853 °
DWR ID	DWR_RD0017_02_f_2014_83				
Action/Comments					
Inspector Comments: FS_ID:40706					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe disconnected on waterward side. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements.					
FIELD_STRUCT_DESC: 8 inch pipe through levee at unknown depth.					
FS Date: 2/4/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	12.71	Rating **	M	Issue No.	84
LM End	12.71	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.787929 °	37.787929 °
				-121.307173 °	-121.307173 °
DWR ID	DWR_RD0017_02_f_2014_84				
Action/Comments					
Inspector Comments: FS_ID:40707 EP_NO: 14326 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Wires exposed near levee crown unable to determine if these wires are part of the crossing. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 4 inch diameter communication cable through levee. Invert of conduit is 3.0 feet below levee crown. (Permit No. 14326-1986) FS Date: 2/4/2010					

No Photos

LM Start	12.84	Rating **	M	Issue No.	85
LM End	12.84	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.786304 °	37.786304 °
				-121.306197 °	-121.306197 °
DWR ID	DWR_RD0017_02_f_2014_85				
Action/Comments					
Inspector Comments: FS_ID:40708					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner to determine status of crossing and to obtain additional information about crossing. Water was flowing into river during field inspection. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope.					
FIELD_STRUCT_DESC: 24 inch drainage pipe through levee at unknown depth.					
FS Date: 2/4/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	13.43	Rating **	M	Issue No.	86
LM End	13.43	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779662 °	37.779662 °
				-121.300033 °	-121.300033 °
DWR ID	DWR_RD0017_02_f_2014_86				
Action/Comments					
Inspector Comments: FS_ID:40712					
EP_NO: 14450					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner to determine status of crossing.					
FIELD_STRUCT_DESC: 1 of 2: 18 inch diameter drainage discharge pipes through levee. (Permit No. 14450-1985)					
FS Date: 2/4/2010					

No Photos

LM Start	13.43	Rating **	M	Issue No.	87
LM End	13.43	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779662 °	37.779662 °
				-121.300033 °	-121.300033 °
DWR ID	DWR_RD0017_02_f_2014_87				
Action/Comments					
Inspector Comments: FS_ID:40713					
EP_NO: 14450					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner to determine status of crossing.					
FIELD_STRUCT_DESC: 2 of 2: 18 inch diameter drainage discharge pipes through levee. (Permit No. 14450-1985)					
FS Date: 2/4/2010					

No Photos

LM Start	13.43	Rating **	C	Issue No.	570
LM End	13.43	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.779633 °	37.779633 °
				-121.299992 °	-121.299992 °
DWR ID	DWR_RD0017_02_s_2012_570				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	13.44	Rating **	M	Issue No.	88
LM End	13.44	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779546 °	37.779546 °
				-121.299981 °	-121.299981 °
DWR ID	DWR_RD0017_02_f_2014_88				
Action/Comments					
Inspector Comments: FS_ID:40714 EP_NO: 14467 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Records show this crossing was suppose to be abandoned however, the drain pipe was operable during site visit. Need to contact owner to clarify if crossing that was abandoned was removed and replaced with current crossing. FIELD_STRUCT_DESC: 36 inch concrete discharge gravity municipal waterwater discharge through levee approximatley 23 feet below crown. The reinforced concrete outfall structure with sluice gate will be constructed within the pipeline at the waterward levee shoulder. (Permit No. 14467-1986) FS Date: 2/4/2010					

No Photos

LM Start	13.44	Rating **	M	Issue No.	89
LM End	13.44	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779470 °	37.779470 °
				-121.299954 °	-121.299954 °
DWR ID	DWR_RD0017_02_f_2014_89				
Action/Comments					
Inspector Comments: FS_ID:40715					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No information was obtained from desk study. This crossing was found during field visit. Need to contact owner to obtain additional details about crossing (installation date and permit) and status.					
FIELD_STRUCT_DESC: 12 inch pipe through levee at unknown depth.					
FS Date: 2/4/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	13.44	Rating **	M	Issue No.	90
LM End	13.44	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779470 °	37.779470 °
				-121.299954 °	-121.299954 °
DWR ID	DWR_RD0017_02_f_2014_90				
Action/Comments					
Inspector Comments: FS_ID:40709					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Markers visible on landward side only. Recommend					
contacting owner to confirm alignment and crossing.					
FIELD_STRUCT_DESC: Submarine power cable through the levee and					
across the channel.					
FS Date: 2/4/2010					

No Photos

LM Start	14.02	Rating **	C	Issue No.	37
LM End	14.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.774285 °	37.773138 °
				-121.295703 °	-121.291763 °
DWR ID	DWR_RD0017_02_s_2012_37				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	14.04	Rating **	C	Issue No.	38
LM End	14.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.774262 °	37.772163 °
				-121.295305 °	-121.289295 °
DWR ID	DWR_RD0017_02_s_2012_38				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/14/2014 10/14/2014	Richard Willoughby

LM Start	14.39	Rating **	M	Issue No.	91
LM End	14.39	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.772267 °	37.772267 °
				-121.290202 °	-121.290202 °
DWR ID	DWR_RD0017_02_f_2014_91				
Action/Comments					
Inspector Comments: FS_ID:40716					
EP_NO: 15165					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pump was working during the survey. Levee toe erosion at waterward side. Recommend contacting owner to determine status and to evaluate erosion at waterward toe.					
FIELD_STRUCT_DESC: 20-inch pipe through the levee, 3.4 feet below the crown. Pump on pile structure in the stream. Wooden walkway to the pump. concrete distribution box at the toe of the landward slope.					
(Permit No. 15165-1989)					
FS Date: 2/4/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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